

For Research Use Only

PDE6D Monoclonal antibody

Catalog Number:67565-1-Ig



Basic Information

Catalog Number: 67565-1-Ig	GenBank Accession Number: NM_002601	Purification Method: Protein G purification
Size: 2100 ug/ml	GeneID (NCBI): 5147	CloneNo.: 1H4B6
Source: Mouse	UNIPROT ID: O43924	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Isotype: IgG1	Full Name: phosphodiesterase 6D, cGMP-specific, rod, delta	
Immunogen Catalog Number: AG29563	Calculated MW: 17 KDa	
	Observed MW: 15-17 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, HeLa cells, HepG2 cells, human placenta tissue, rat retina tissue, mouse brain tissue, JAR cells, Pig brain tissue, Rat brain tissue

IHC: mouse brain tissue, rat brain tissue, rat stomach tissue

Background Information

PDE6D, also known as PDED, belongs to the PDE6D/unc-119 family. PDE6D is a ubiquitously expressed prenyl-binding protein. By binding to prenyl moieties, PDE6D mediates the shuttling of prenylated proteins between membranes. Thereby, it regulates the membrane association of Ras and Rap GTPases (PMID: 36672247). In addition, research has shown that PDE6D is overexpressed in liver cancer and correlated with tumor stages, grading, and ERK activation (PMID: 30901922). The calculated molecular weight of PDE6D is 17 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

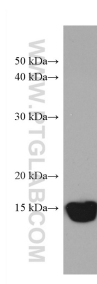
T: 4006900926

E: Proteintech-CN@ptglab.com

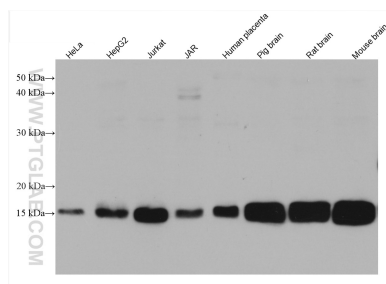
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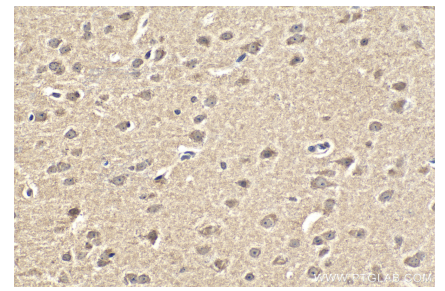
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 67565-1-Ig (PDE6D antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67565-1-Ig (PDE6D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67565-1-Ig (PDE6D antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).